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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/797,743	03/09/2004	Yasuyuki Kii	61003 (70820)	3397
21874	7590	01/16/2007	EXAMINER	
EDWARDS & ANGELL, LLP			REPKO, JASON MICHAEL	
P.O. BOX 55874			ART UNIT	PAPER NUMBER
BOSTON, MA 02205			2628	
			MAIL DATE	DELIVERY MODE
			01/16/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Interview Summary	Application No.	Applicant(s)	
	10/797,743	KII, YASUYUKI	
	Examiner	Art Unit 2628	

All participants (applicant, applicant's representative, PTO personnel):

(1) Jason M. Repko.

(3) _____

(2) Steven M. Jensen.

(4) _____

Date of Interview: 10 January 2007.

Type: a) Telephonic b) Video Conference
c) Personal [copy given to: 1) applicant 2) applicant's representative]

Exhibit shown or demonstration conducted: d) Yes e) No.

If Yes, brief description: _____

Claim(s) discussed: 1, 4 and 9.

Identification of prior art discussed: U.S. Patent No. 5,517,603 to Kelley et al, and U.S. Patent No. 6,897,865 to Higashiyama.

Agreement with respect to the claims f) was reached. g) was not reached. h) N/A.

Substance of Interview including description of the general nature of what was agreed to if an agreement was reached, or any other comments: Applicant's representative presented arguments how the Kelley reference does not teach or suggest converting graphic data of shadow polygons to visual-point coordinates and depth values as claimed. The Examiner disagreed with the arguments presented, and discussed the limitations with respect to the section "Shadowing" (line 36 of column 21 through line 16 of column 22 in Kelley et al).

(A fuller description, if necessary, and a copy of the amendments which the examiner agreed would render the claims allowable, if available, must be attached. Also, where no copy of the amendments that would render the claims allowable is available, a summary thereof must be attached.)

THE FORMAL WRITTEN REPLY TO THE LAST OFFICE ACTION MUST INCLUDE THE SUBSTANCE OF THE INTERVIEW. (See MPEP Section 713.04). If a reply to the last Office action has already been filed, APPLICANT IS GIVEN A NON-EXTENDABLE PERIOD OF THE LONGER OF ONE MONTH OR THIRTY DAYS FROM THIS INTERVIEW DATE, OR THE MAILING DATE OF THIS INTERVIEW SUMMARY FORM, WHICHEVER IS LATER, TO FILE A STATEMENT OF THE SUBSTANCE OF THE INTERVIEW. See Summary of Record of Interview requirements on reverse side or on attached sheet.

ULKA CHAUHAN
SUPERVISORY PATENT EXAMINE

Examiner Note: You must sign this form unless it is an Attachment to a signed Office action.

Examiner's signature, if required

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record

A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.

All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiner's responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicant's correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:

- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:

- 1) A brief description of the nature of any exhibit shown or any demonstration conducted,
- 2) an identification of the claims discussed,
- 3) an identification of the specific prior art discussed,
- 4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
- 5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
- 6) a general indication of any other pertinent matters discussed, and
- 7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicant's record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiner's version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, "Interview Record OK" on the paper recording the substance of the interview along with the date and the examiner's initials.



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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT PAPER

20070110

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

EDWARDS ANGELL PALMER & DODGE LLP

101 Federal Street Boston, MA 02110 617.439.4444 fax 617.439.4170 capdlaw.com

Date : January 4, 2007**Pages (including cover) :** 3**Sender :**

Name	Steven M. Jensen		
Fax	617.439.4170	Phone	617.517.5531
Email	sjensen@eapdlaw.com		

To :	Fax	Phone
Examiner Repko U.S. Patent & Trademark Office	571-273-8624	

If you experience problems receiving this fax, please call Katie Drury at 617.951.2288.**Message :** Re: Our Docket No. 61003 (70820)
U.S. Serial No. 10/797,743

Examiner Repko,

Attached is an Interview Request Form (PTOL-413A) for our telephone interview next Weds. 1/10.

I look forward to speaking with you then.

Please call me at 617-517-5531 if you have any questions.

Best regards,
Steve Jensen**Fax**

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PTOL-413A (09-06)

Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**Applicant Initiated Interview Request Form**

Application No.: 10/797,743 First Named Applicant: Y. Kii
 Examiner: J. Repko Art Unit: 2628 Status of Application: Pending

Tentative Participants:

(1) Steven M. Jensen (2) Examiner Jason Repko
 (3) _____ (4) _____

Proposed Date of Interview: January 10, 2007 Proposed Time: 2:00 (PM)

Type of Interview Requested:

(1) Telephonic (2) Personal (3) Video Conference

Exhibit To Be Shown or Demonstrated: YES NO

If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art Venable and Oashi et al.	Discussed	Agreed	Not Agreed
(1) <u>Rejection</u>	<u>4, 6, 9-11</u>	<u>Kelley</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2) <u>Rejection</u>	<u>1, 3</u>	<u>Higashiyama & Matsumoto</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4) _____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Continuation Sheet Attached

Brief Description of Arguments to be Presented:

Regarding the rejection of independent claims 4 and 9, Applicant's representative will discuss how the Kelley reference does not teach or suggest converting graphic data of shadow polygons to visual-point coordinates and depth values as claimed. Instead, only the graphic data of active objects is converted to coordinates ("vertical interpolation" in Kelley). In Kelley, hidden surface removal is then performed to eliminate pixels that will not be shaded.

Regarding the rejection of independent claim 1, Applicant's representative will discuss how the Higashiyama reference does not teach or suggest that graphic data of shadow polygons is converted to coordinates and depth values, and also does not teach or suggest the claimed "hidden surface removal and shadowing processing section." In Higashiyama, the Z-values are merely used to distinguish front-facing polygons from back-facing polygons.

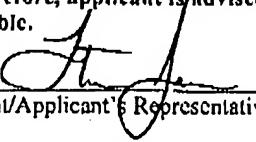
An interview was conducted on the above-identified application on _____

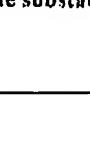
PTOL-413A (09-08)

Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE**NOTE:**

This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP §713.01).

This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.



Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Steven M. Jensen

Typed/Printed Name of Applicant or Representative

42,693

Registration Number, if applicable